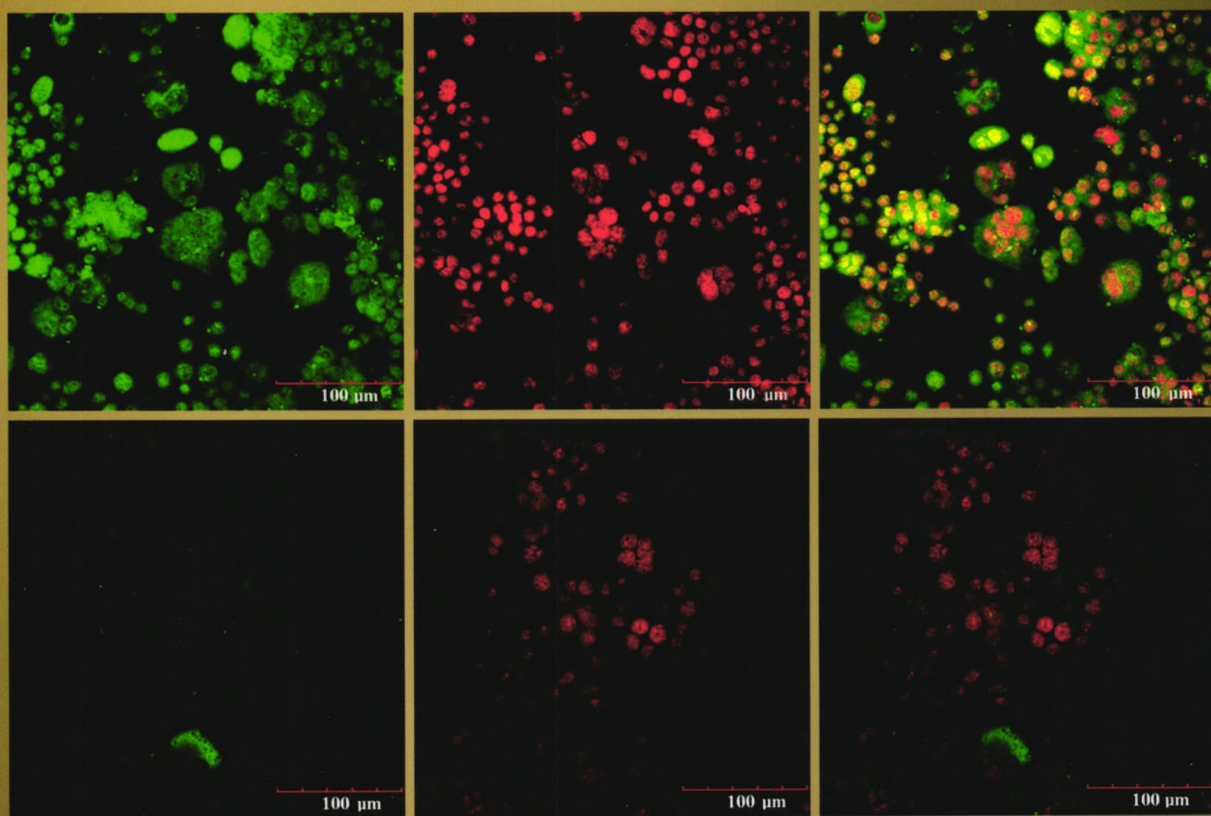


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封面图片:免疫荧光化学检测NFATc1在破骨细胞中表达。FITC标记NFATc1(绿色);PI标记细胞核(红色)。LSCM,×400。NFATc1在多核破骨细胞及其前体内均呈强阳性表达;细胞核中也呈阳性(图3A)。ZOL处理后,B组中NFATc1蛋白表达较A组明显减弱,且仅表达于胞浆,而胞核内不表达(图3B)。定量分析表明,A组NFATc1荧光强度是158414.0±3040.0,显著高于B组的78936.8±2249.1($P<0.01$);B组NFATc1荧光强度较A组下降了49.7%。该结果提示,ZOL可显著抑制破骨细胞中NFATc1蛋白表达水平(林珏杉,河北联合大学口腔医学院,正文见本期1254~1258页)。

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Cover image: Detection of NFATc1 expression in osteoclasts by immunofluorescent staining. NFATc1 protein was labeled by FITC (green) and cell nuclei were labeled by PI (red). LSM, ×400. NFATc1 was strongly expressed in cytoplasm of multinucleated osteoclasts and their precursor cells, as well as in nuclei of these cells (Fig.3A). After ZOL treatment, NFATc1 protein expression was significantly decreased in group B when compared with group A and the expression was only positive in cytoplasm of the cells (Fig.3B). Quantitative analysis showed that NFATc1 fluorescence intensity in group A was 158414.0±3040.0, which was significantly higher than that, 78936.8 ± 2249.1, in group B (*P*<0.01). The fluorescence intensity in group B decreased about 49.7% when compared with group A. Above results suggest that ZOL can significantly inhibit NFATc1 protein expression in osteoclasts. See full-text article on page 1254-1258 in this issue.

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